

Converting Colors

$Y_{xy}(75.7678, 0.2916, 0.3294)$

Have a look what the booklet for
Yxy(75.7678, 0.2916, 0.3294)
contains.

Yxy(75.6815, 0.2911, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.6815, 0.2911, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	C7E8E8
RGB	199, 232, 232
RGB Percent	78%, 91%, 91%
CMY	0.2195, 0.0902, 0.0901
CMYK	0.14, 0.00, 0.00, 0.09
HSL	180°, 42%, 85%
HSV	180°, 14%, 91%
XYZ	66.9835, 75.6815, 87.4399
YIQ	222.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

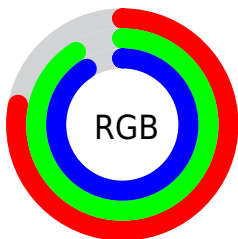
Format	Color
R _Y B	199, 216, 232
Decimal	13101288
CIE Lab	89.71, -10.70, -3.64
CIE LCh	90, 11.302, 198.785
Yxy	75.6815, 0.2911, 0.3289
Android (android.graphics.Color)	4291291368 (0xFFC7E8E8)
YUV	222.1330, 4.8644, -20.2876
Hunter-Lab	86.9951, -14.8020, 1.3035

Details

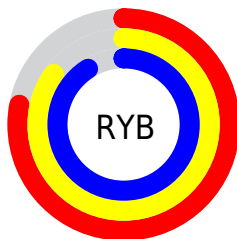
The Yxy color **75.6815, 0.2911, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.1598, 0.3391, 0.3291**, and the grayscale version is **73.1273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2050, 0.2867, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **72.7363, 0.2771, 0.3288**, and if you desaturate by 10%, it is **79.1169, 0.3061, 0.3290**.

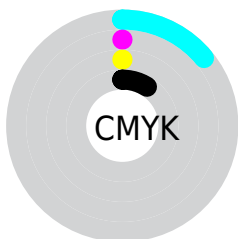
Distribution



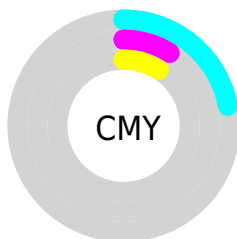
- Red (78%)
- Green (91%)
- Blue (91%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6815, 0.2911, 0.3289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.6815, 0.2911, 0.3289 by changing the saturation by 10% instead.

■ 75.6815, 0.2911,
0.3289

■ 75.6815, 0.2911,
0.3289

480.2567, 0.3010,
0.3290

■ 56.1714, 0.2889,
0.3289

127.2766, 0.2945,
0.3290

■ 40.3403, 0.2861,
0.3288

160.1303, 0.2958,
0.3290

■ 27.8040, 0.2827,
0.3287

198.2008, 0.2970,
0.3290

■ 18.1780, 0.2782,
0.3285

241.8723, 0.2980,
0.3290

■ 11.0778, 0.2721,
0.3283

291.5292, 0.2989,
0.3290

■ 6.1192, 0.2635,
0.3278

347.5560, 0.2997,

■ 2.9177, 0.2503,

0.3290

0.3269

410.3370, 0.3004,
0.3290

1.0889, 0.2269,
0.3249

0.0000, 0.0000,
0.0000

75.6815, 0.2911,
0.3289

75.6815, 0.2911,
0.3289

72.7363, 0.2771,
0.3288

79.1169, 0.3061,
0.3290

70.2500, 0.2643,
0.3288


83.0535, 0.3219,
0.3290


68.2023, 0.2531,
0.3287


84.8348, 0.3285,
0.3291


66.5676, 0.2437,
0.3287

84.8470, 0.3285,
0.3291


 65.3176, 0.2363,
0.3286


 84.8591, 0.3285,
0.3291

 64.4206, 0.2307,
0.3286


 84.8713, 0.3285,
0.3291

 63.8397, 0.2271,
0.3285

 84.8834, 0.3285,
0.3292

 63.5301, 0.2252,
0.3285

 84.8955, 0.3285,
0.3292

 63.4344, 0.2246,
0.3285

 84.9077, 0.3285,
0.3292

Harmonies

Analogous

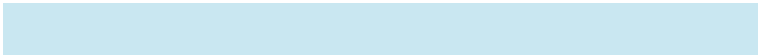
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6815, 0.3010, 0.3410



75.6815, 0.2911, 0.3289



75.6815, 0.2869, 0.3172

Triad

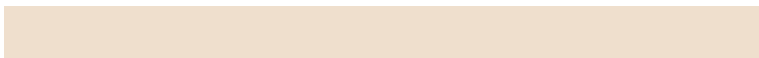
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6815, 0.2911, 0.3289



75.6815, 0.3108, 0.3094



75.6815, 0.3364, 0.3489

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



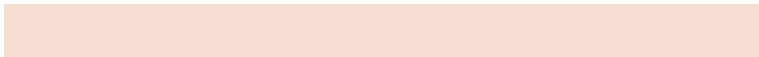
75.6815, 0.2911, 0.3289



62.1598, 0.3391, 0.3291

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6815, 0.3393, 0.3400



75.6815, 0.2911, 0.3289



75.6815, 0.3243, 0.3174

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6815, 0.2911, 0.3289



75.6815, 0.2981, 0.3062



75.6815, 0.3348, 0.3285



75.6815, 0.3272, 0.3526

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6815, 0.2911, 0.3289



75.6815, 0.2878, 0.3111



75.6815, 0.3348, 0.3285



75.6815, 0.3382, 0.3464

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.6846, 0.2911, 0.3289



98.1105, 0.3065, 0.3290



73.9991, 0.3109, 0.3668



20.9260, 0.3053, 0.3290



0.0000, 0.0000, 0.0000



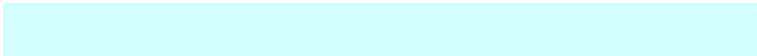
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6846, 0.2911, 0.3289



92.6594, 0.2870, 0.3289



66.8442, 0.2905, 0.3104



16.3340, 0.2982, 0.3289



35.2084, 0.2246, 0.3285



2.6025, 0.2246, 0.3285

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.8468, 0.3144, 0.2940



75.3896, 0.3147, 0.2868



70.1554, 0.3365, 0.3470



14.6150, 0.3138, 0.3059



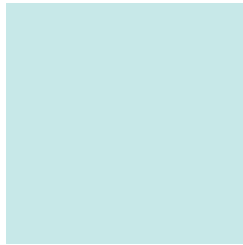
12.7520, 0.3212, 0.1543



0.9424, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 75.6815, 0.2911, 0.3289 looks on a white background.

Color Contrast Check

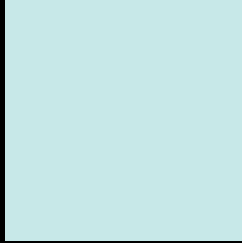
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 75.6815, 0.2911, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

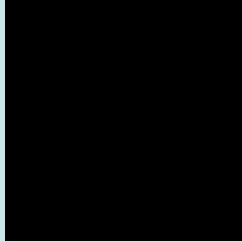
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

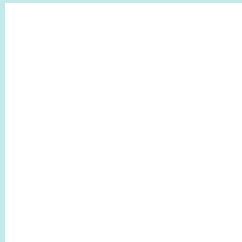
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6815, 0.2911, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 75.6815, 0.2911, 0.3289.

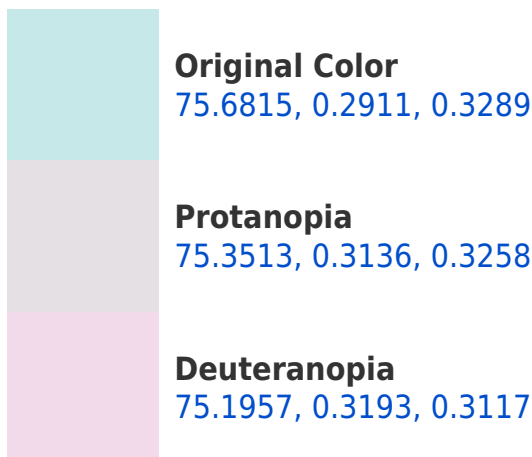


This preview shows how white text looks on a background with the Yxy color 75.6815, 0.2911, 0.3289.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

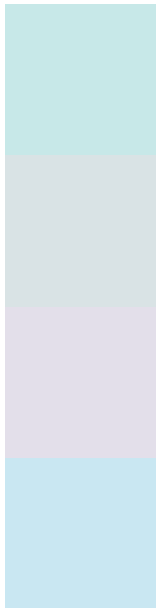




Tritanopia

75.9275, 0.2837, 0.3095

Trichromacy



Original Color

75.6815, 0.2911, 0.3289

Protanomaly

75.3470, 0.3046, 0.3268

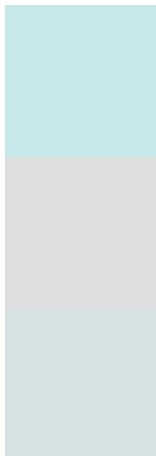
Deuteranomaly

75.0468, 0.3084, 0.3174

Tritanomaly

75.9801, 0.2865, 0.3170

Monochromacy



Original Color

75.6815, 0.2911, 0.3289

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.1798, 0.3045, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6815, 0.2911, 0.3289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(199, 232, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 232, 232) }
```

Border

The CSS property to change the border of an element to Yxy 75.6815, 0.2911, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 232, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 232, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(199, 232,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6815, 0.2911, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 232, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
232, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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